

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No:	To Be Assigned
Applicant:	Koji Takinami et al.
Filed:	July 15, 2003
Title:	OSCILLATOR, PLL CIRCUIT, COMMUNICATION EQUIPMENT, AND OSCILLATING METHOD
TC/A.U.:	To Be Assigned
Confirmation:	To Be Assigned
Examiner:	To Be Assigned
Docket No.:	MTS-3449US

**INFORMATION DISCLOSURE STATEMENT*****Mail Stop PATENT APPLICATION***

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R :

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (R&P) submitted herewith. A copy of each of the listed references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

The following Japanese Reference is not in the English language:

1) 2000-224027

Reference 1) includes an English language abstract.

Further Reference 1) is not in the English language, but a "concise explanation" under 37CFR § 1.98(a)(3) is set forth in the background portion of the specification on page 1, line 15.

This Information Disclosure Statement is being filed simultaneously with the above-referenced application. No fee or certification is required. 37 C.F.R. § 1.97(b).

Respectfully submitted,

RatnerPrestia


Allan Ratner, Reg. No. 19,717  
Attorney for Applicants

AR/fp

Enclosures: PTO Form 1449  
Copies of (3) References

Dated: July 15, 2003

P.O. Box 980  
Valley Forge, PA 19482-0980  
(610) 407-0700

<p>The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. <b>18-0350</b> of any fees associated with this communication.</p>	<p><b>EXPRESS MAIL: Mailing Label Number: EV 331 707 640 US</b> <b>Date of Deposit: July 15, 2003</b></p> <p>I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, Alexandria, VA 22312.</p> <p> <b>KATHLEEN LIBBY</b></p>
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**SHEET 1 of 2**

**Complete if Known**

Application Number	To Be Assigned
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<b>Filing Date</b>	<b>July 15, 2003</b>
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First Named Inventor	Koji Takinami et al.
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Art Unit	To Be Assigned
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Examiner Name	To Be Assigned
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Attorney Docket No. **MTS-3449US**

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the front cover of the document.

<sup>6</sup>Applicant is to place a check mark here if English language translation is submitted.

<sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Substitute for Form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>	<b>Complete if Known</b>	
	Application Number	<b>To Be Assigned</b>
	Filing Date	<b>July 15, 2003</b>
	First Named Inventor	<b>Koji Takinami et al.</b>
	Art Unit	<b>To Be Assigned</b>
	Examiner Name	<b>To Be Assigned</b>
<b>SHEET 2 of 2</b>	Attorney Docket No.	<b>MTS-3449US</b>

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Li Lin et al., "A 1.4GHz Differential Low-Noise CMOS Frequency Synthesizer using a Wideband PLL Architecture", Digest of Technical Papers, 2000 IEEE International Solid-State Circuits Conference, pp. 204 and 205.	<input type="checkbox"/>
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Examiner Signature	Date Considered
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<sup>1</sup>Applicant's unique citation designation number (optional).

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